

**Notice of Allowability**

Application No.

10/721,449

Examiner

Dung Lam

Applicant(s)

BHASKARAN, HARIKRISHNAN

Art Unit

2687

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/05.
2. ☒ The allowed claim(s) is/are 2-6,9-17 and 19-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### *Examiner Amendment*

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. The application has been amended as follows:
3. Claims 6 and 8 (Currently Amended), there is a uppercase letter that should be in lower case. "a first **C**ommunication device" should be changed to -- a first **c**ommunication device --.

### *Allowable Subject Matter*

1. Claims 2-6,9-17 and 19-22 are allowed.
2. The examiner's reason for allowance is based on the applicant's Amendment and Remarks filed on 11/07/05.
3. Regarding independent **claim 6**, the present invention teaches a method of communication data stored on a first communication device to a second communication device comprising:  
  
receiving data by the first communication device; generating by the first communication device, first and second dictionaries from the received data, the first dictionary being based on data received earlier than data used to generate the second dictionary the first dictionary being provided to the second communication device;

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and sending the second dictionary to the second communication device if the second communication device is presently connected to the first communication device by a first channel there between exhibiting a cost of operation less than the cost of operation of a second channel there between:

scheduling transmission of the second dictionary to the second communication device at a later time when the second communication device is connected to the first communication device by the first channel if the second communication device is not presently connected to the first communication device by the first channel.

4. Regarding claim 8, the present invention teaches a method of communicating data on a first communication device to a second communication device comprising:

receiving data by the first communication device; generating by the first communication device, first and second dictionaries from the received data, the first dictionary being based on data received earlier than data used to generate the second dictionary the first dictionary being provided to the second communication device; and

sending the second dictionary to the second communication device if the second communication device is presently connected to the first communication device by a first channel there between exhibiting a cost of operation less than the cost of operation of a second channel there between: determining if the quality of the first dictionary is better than the quality of second, dictionary: and compressing the data with the first dictionary to generate compressed data which

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is sent to the second communication device if the quality of the first dictionary is greater than the quality of the second dictionary and the second communication device is connected to the first communication device by the second channel.

5. Regarding claim 13, the present invention teaches a communication system comprising:

- a first communication device for receiving data; and

- a second communication device connectable to the first communication device by a first channel or a second channel there between, the first channel exhibiting a cost of operation less than the cost of operation of the second channel; the first communication device including first and second dictionaries which are generated in the first communication device, the first dictionary being based on data received earlier than data used to generate the second dictionary, the first dictionary being provided to the second communication device, the first communication device sending the second dictionary to the second communication device if the second communication device is presently connected to the first communication device by a first channel there between exhibiting a cost of operation less than the cost of operation of the second channel there between;

- wherein the first communication device schedules transmission of the second dictionary to the second communication device at a later time when the second communication device is connected to the first communication device by

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the first channel if the second communication device is not presently connected to the first communication device by the first channel.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Lam whose telephone number is (571) 272-6497. The examiner can normally be reached on M - F 9 - 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DL

  
SONNY TRINH  
PRIMARY EXAMINER